



Zone 0: This is the area inside the bath or shower and is rated at **IPx7**.



Zone 1: Refers to the area above the bath or shower up to a height of 2.25 metres and carries a minimum rating of **IPx4**.



Zone 2: Covers an area 0.6 metres wide immediately next to, and all around zone 1, plus the area over 2.75 metres high directly over the bath or shower. Wash basins should be treated as zone 2. The minimum rating here is IPx4. Where water jets are likely to be used for cleaning purposes in zones 1 and 2, the rating is minimum **IPx5**.



Zone 3: Has no special requirements, unless water jets are likely to be used for cleaning purposes. Equipment installed outside zones 0,1,2 and 3 must be suitable for the conditions most likely to prevail at that particular point.

ingress protection

The IP code refers to the different levels of protection against dust and water which our luminaires meet. The code is defined by EN 60529 which is an international classification system and is defined by two characteristic numerals. The first indicates the protection of hazardous parts and protection of equipment against ingress of foreign solid objects. The second numeral indicates protection against harmful ingress of liquids. The full classification is shown below:

NB: Please be aware, in certain areas a specific IP rating is required (i.e. bathrooms). For further clarification please see the appropriate standards/documentation.

First Identification Number

(Degree of protection against penetration of solids)

- 0** - Not Protected
- 1** - Protected against penetration of solids larger than 50mm²
- 2** - Protected against penetration of solids larger than 12mm²
- 3** - Protected against penetration of solids larger than 2.5mm²
- 4** - Protected against penetration of solids larger than 1mm²
- 5** - Protected against penetration of dust, limited ingress (no harmful deposit)
- 6** - Completely protected against penetration of dust

Second Identification Number

(Degree of protection against penetration of liquids)

- 0** - Not protected
- 1** - Protection against vertically falling drops of water
- 2** - Protection against direct sprays of water up to 15° from vertical
- 3** - Protection against direct sprays of water up to 60° from vertical
- 4** - Protection against water splashing from all directions – limited ingress permitted
- 5** - Protected against low pressure jets of water from all directions
- 6** - Protected against high pressure jets of water from all directions
- 7** - Protected against the effect of immersion between 15cm and 1m
- 8** - Protected against long periods of immersion under pressure

Whitegoods downlights 100 and 150 round, square and linear are equivalent to IP43 protection.

Whitegoods 60 round 'IP' designated downlights are tested to IP65.